

Status and hadron physics program of J-PARC

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Current status and hadron physics programs of Japan Accelerator Research Complex (J-PARC) are reported. Several physics programs are proposed in the Hadron Hall at J-PARC. Strangeness and hyper nuclear physics is undertaken at K1.8 beam line. Study of meson nucleon bound system is underway at K1.8BR beam line. A new beam line for a primary proton beam and high momentum secondary particles is proposed to study meson properties in nucleus. In this talk, near future plans of such physics programs are reported.

After the earthquake, all beam line components and experimental setups are reassembled and particles are successfully delivered in the last December. In this February, new data for penta-quark search are collected. Also, beam tuning for K1.8BR experiment is successfully done. Status of on-going experiment is also reported.

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